

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

LISTING OF CLAIMS:

1. (Canceled)
2. (Canceled)
3. (New) A hydraulic brake apparatus comprising:
a tandem brake master cylinder comprising:
a cylinder body;
a rod piston moving in response to a brake-operating member, the rod piston defining within the cylinder body a first reservoir pressure chamber in communication with a reservoir and a first pressure chamber in communication with a hydraulic brake circuit connecting the tandem brake master cylinder and a brake wheel cylinder, the rod piston having a first valve which is adapted to establish and shut off communication between the first pressure chamber and the first reservoir pressure chamber, the rod piston being capable of an idle stroke while the first valve is in an establishing condition in which the first valve establishes the communication between the first pressure chamber and the first reservoir pressure chamber; and
a floating piston moving in response to the rod piston, the floating piston defining within the cylinder body a second reservoir pressure chamber

in communication with the reservoir and a second pressure chamber in communication with the hydraulic brake circuit, the floating piston having a second valve which is adapted to establish and shut off communication between the second pressure chamber and the second reservoir pressure chamber, the floating piston being capable of an idle stroke while the second valve is in an establishing condition in which the second valve establishes the communication between the second pressure chamber and the second reservoir pressure chamber,

a separation valve provided in the hydraulic brake circuit and adapted to establish and shut off communication between the tandem brake master cylinder and the brake wheel cylinder;

a pressure control valve unit for controlling fluid pressure to be supplied from an external fluid-pressure supply source to the brake wheel cylinder while the separation valve is in a shut off condition;

a stroke simulator mechanism for ensuring a stroke of the brake-operating member in accordance with an input load to the brake-operating member, while the separation valve is in the shut off condition, by allowing a stroke of the rod piston and a stroke of the floating piston; and

the idle stroke of the floating piston starting during the idle stroke of the rod piston.

4. (New) A hydraulic brake apparatus according to claim 3, wherein the stroke simulator mechanism comprises a simulator piston, and the simulator piston starts its stroke after completion of the idle stroke after completion of

the idle stroke of the rod piston so as to ensure the stroke of the brake-operating member.